



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

August 12, 2014

PLANT FOOD SYSTEMS, INC.
C/o Lewis & Harrison
122 C Street, N.W. Suite 505
Washington, D.C. 20001
Attn: Karen E. Warkentien

Subject: Notification to make minor label changes, including reformatting, pursuant to PRN 98-10.

Product Brand Name: **K-Phite 7LP Fungicide.**
EPA Reg. No: **73806-1.**
Your Submission dated July 15, 2014.

Dear Ms. Warkentien:

The Biopesticides and Pollution Prevention Division is in receipt of your application for Notification under Pesticide Registration Notice 98-10 dated above. A screen of this request has been conducted for its applicability under PR Notice 98-10, and it has been determined that the actions requested fall within the scope of this Notice. Our records have been duly noted, and the label submitted with this application has been stamped "Notification Accepted" and will be placed accordingly in our records.

Three (3) copies of final printed labeling must be submitted to the Agency before your product as modified, may be sold or distributed [PR Notice 82-2 and 40 CFR 156.10(a) (6)].

If you have any questions regarding this action, you may contact Mr. Sylvester George at (703) 603-0688 or via e-mail at george.sylvester@epa.gov.

Sincerely,

Linda A. Hollis

Linda A. Hollis, Chief
Biochemical Pesticide Branch
Biopesticides and Pollution
Prevention Division (7511P)

NOTIFICATION

73806-1

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

08/12/2014

MASTER LABEL

Primary Brand Name: K-PHITE 7LP FUNGICIDE

Alternate Brand Name: K-PHITE® 7LP SYSTEMIC FUNGICIDE BACTERICIDE

A systemic fungicide bactericide for the control of downy mildew, phytophthora, pythium, and various other diseases on agricultural and greenhouse crops, indoor and outdoor ornamentals, bedding plants and forestry applications and domestic trees including conifers, pines, oaks and turf.

ACTIVE INGREDIENTS:

Mono- and dipotassium salts of Phosphorous Acid*	56%
OTHER INGREDIENTS:.....	44%
TOTAL.....	100%

* Contains 7.03 lbs./gallon of active ingredients, mono-and dipotassium salts of Phosphorus Acid. Equivalent to 4.41 lbs. Phosphorus Acid/gallon.

* K-PHITE 7LP's unique manufacturing process and molecule are protected by the following patents:

Reactor: 4724132

Molecule: 7877616, 8221516, 8088191

A: SUBLABEL – COMMERCIAL PRODUCTS: FOR COMMERCIAL APPLICATORS SUBJECT TO WORKER PROTECTION STANDARD

B: SUBLABEL – COMMERCIAL PRODUCTS: FOR COMMERCIAL APPLICATORS SUBJECT TO WORKER PROTECTION STANDARD (TRUNK INJECTION ONLY)

C: SUBLABEL – HOUSEHOLD PRODUCTS: FOR NON-COMMERCIAL APPLICATORS (NOT SUBJECT TO WORKER PROTECTION STANDARD)

MANUFACTURED BY:
PLANT FOOD SYSTEMS, INC
2827 Union St. P.O. Box 775
Zellwood, FL 32798

EPA Reg. No. 73806-1
EPA Est. No. 73806-FL-001

KPHITE 7LP Master Label Resubmission Tracked Changes – Key

- Green highlight – New additions
- Yellow highlight – updated content

OPTIONAL GRAPHICS
(may appear on any sublabel)

Fruit & Vegetable Graphic (may appear on Front Panel or elsewhere of sublabels bearing fruit and vegetable crops):



Turf & Ornamental Graphic (may appear on Front Panel or elsewhere of sublabels bearing turf and ornamental crops):



Quality Warranty Graphic (may appear on Front Panel or elsewhere of sublabels):



Text of graphic: "Quality Warranty Guarantee"

Text accompanying graphic: "Plant Food Systems' products use only quality materials, with no byproducts or downstream contaminants for consistent performance & results."

Ag Container Recycling Council (ACRC) Graphic (may appear on Front Panel or elsewhere of commercial (non-consumer) sublabels):



Text of graphic: "Ag Container Recycling Council, Sustained Product Stewardship"

NOTE: Colors utilized in above graphics may vary on the actual final printed labels

**SUBLABEL A – COMMERCIAL PRODUCTS: FOR COMMERCIAL APPLICATORS
SUBJECT TO WORKER PROTECTION STANDARD**

Primary Brand Name: K-PHITE 7LP FUNGICIDE

Alternate Brand Name: K-PHITE® 7LP SYSTEMIC FUNGICIDE BACTERICIDE

A systemic fungicide bactericide for the control of downy mildew, phytophthora, pythium, and various other diseases on agricultural and greenhouse crops, indoor and outdoor ornamentals, betting plants and forestry applications and domestic trees including conifers, pines, oaks and turf.

ACTIVE INGREDIENTS:

Mono- and dipotassium salts of Phosphorous Acid*	56%
OTHER INGREDIENTS:.....	44%
TOTAL.....	100%

* Contains 7.03 lbs./gallon of active ingredients, mono-and dipotassium salts of Phosphorus Acid (Mono and dipotassium poly phosphite). Equivalent to 4.41 lbs. Phosphorus Acid/gallon.

* K-PHITE 7LP's unique manufacturing process and molecule are protected by the following patents:

Reactor: 4724132

Molecule: 7877616, 8221516, 8088191

<p style="text-align: center;">KEEP OUT OF REACH OF CHILDREN</p> <p style="text-align: center;">CAUTION</p> <p style="text-align: center;">See Inside booklet for First Aid and Additional Precautionary Statements.</p>

NET CONTENTS

- | | |
|---|---|
| <input type="checkbox"/> 2 1/2 gallons (9.463 liters) | <input type="checkbox"/> Bulk Containers (100 – 4000 gallons) |
| <input type="checkbox"/> 30 gallons (113.6 liters) | <input type="checkbox"/> Other _____ |
| <input type="checkbox"/> 55 gallons (208.2 liters) | |

MANUFACTURED BY:
PLANT FOOD SYSTEMS, INC
2827 Union St. P.O. Box 775
Zellwood, FL 32798

EPA Reg. No. 73806-1
EPA Est. No. 73806-FL-001

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling.

FIRST AID STATEMENTS	
If in eyes	<ul style="list-style-type: none">• Hold eye open and rinse slowly and gently with water for 15-20 minutes.• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.• Call a poison control center or doctor for treatment advice.
HOT LINE NUMBER	
Have the container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact the National Pesticide Information Center (NPIC) at 1-800-858-7378 for emergency medical treatment information.	

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear long-sleeved shirt and long pants, shoes plus socks and protective eyewear. Follow manufacturer's instructions for cleaning/maintaining personal protective equipment (PPE). If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS BOX

Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Users should remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

For terrestrial uses: Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Read entire label before using this product.

Do not apply this product in a way that will contact workers or other person, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS:

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Workers Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 4 hours.

PPE required for early entry into treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated such as plants, soil, or water, is: coveralls over long-sleeved shirt and long pants, socks, shoes, chemical resistant gloves and protective eyewear.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements of this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Do not enter treated areas without protective clothing until sprays have dried.

GENERAL APPLICATION INSTRUCTIONS

Apply K-PHITE 7LP by various application methods, including foliar sprays, trunk injection, soil drench, soil incorporation, and bare root dip. For foliar sprays, apply K-PHITE 7LP with sufficient water for adequate coverage of foliage, according to crop and growth stage. To insure good coverage, spray to wet.

MIXING INSTRUCTIONS

1. Fill the spray tank with 1/2 of the required volume of water.
2. Add K-PHITE 7LP slowly to the tank and agitate by hydraulic or mechanical means.
3. Continue to fill the tank with water to the desired volume while agitating.
4. Continue agitation when applying.

For 1-gallon (3.785 liters) container sizes: this package can treat up to 34,848 sq. ft. at the maximum treatment rate.

For 2 1/2-gallon (9.463 liters) container sizes: this package can treat up to 2 acres at the maximum treatment rate.

For 5-gallon (18.925 liters) container sizes: this package can treat up to 4 acres at the maximum treatment rate.

LOW VOLUME AND ULTRA-LOW VOLUME APPLICATIONS

Label rates are written for conventional application equipment. For LV/ULV equipment, use per acre rate of K-PHITE 7LP and adjust amount of water to equipment needs. Always conduct a phytotoxicity test on a small area before applying to a large area in order to assess any potential risk to plants.

COMPATIBILITY

Mixing K-PHITE 7LP with certain surfactants, foliar fertilizers or other pesticides may cause crop injury. K-PHITE 7LP is a slightly acidic buffer solution. Avoid mixing K-PHITE 7LP with strongly acidic or alkaline materials. Do not tank mix without first testing the mixture's compatibility nor apply it without assessing its safety to the crop (phytotoxicity). It is not possible to test all material combinations and environmental tank mix combinations. Always conduct a test with the intended tank mix on a small area prior to any large-scale applications. To determine if a combination is phytotoxic to a specific crop, spray a small area of foliage and fruit, and then evaluate 3-7 days later for visual symptoms.

Test the compatibility of spray adjuvants (i.e. stickers, spreaders, wetting agents) with K-PHITE 7LP before use. Do not use acidifying type compatibility agents.

To determine the compatibility of K-PHITE 7LP with other products, use a jar compatibility test. Add the correct proportions of each product and the appropriate quantity of water to clean container, thoroughly mix, then let stand for 3-5 minutes. If the mixture remains in solution or can be remixed readily, the products are considered compatible.

CHEMIGATION

APPLICATIONS THROUGH SPRINKLER AND DRIP IRRIGATION SYSTEMS

Apply this product through microsprinkler, drip, solid set and center pivot sprinkler irrigation systems. Do not apply this product through any other type of irrigation system.

PREPARATION OF INJECTION EQUIPMENT: Remove scale, pesticide residues and other foreign matter from the chemical tank and entire injector system. Flush with clean water.

APPLICATION INSTRUCTIONS: Fill tank with 1/2 to 3/4 of desired amount of water. Start mechanical or hydraulic agitation. Add the required amount of K-PHITE 7LP, then the remaining volume of water. Set sprinkler to deliver 0.1 to 0.3 inch of water per acre. Start sprinkler and uniformly inject the solution of K-PHITE 7LP into the irrigation water line so as to deliver the desired rate per acre. Inject the K-PHITE 7LP solution with a positive displacement pump into the main line ahead of a right angle turn to insure adequate mixing. For other questions about calibration, contact State Extension Service specialists, equipment manufacturers or other experts.

NOTE: For Microsprinkler and Drip Irrigation Systems: Avoid further irrigation of the treated area for 24 to 48 hours after treatment with K-PHITE 7LP has been completed. For Solid Set and Center Pivot Irrigation Systems: Avoid further irrigation of the K-PHITE 7LP treated area until after the foliage has completely dried. This will help to prevent washing the chemical off the crop.

GENERAL PRECAUTIONS FOR APPLICATIONS THROUGH SPRINKLER AND DRIP IRRIGATION SYSTEMS

The system must contain a functional check valve, vacuum relief valve, and low-pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from back flow. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops. The irrigation line or water pump must include a functional pressure switch, which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock. Do not apply when wind speed favors drift beyond the area intended for treatment.

Maintain continuous agitation in mix tank during mixing and application to assure uniformity solution. Do not apply when wind speed favors drift, when system connection or fittings leak, when nozzles do not provide uniform distribution, or when lines containing the product must be dismantled or drained. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop may result from non-uniform distribution of chemigation water.

Allow sufficient time for pesticide to be flushed through all lines and all nozzles before turning off irrigation water. A person knowledgeable of the chemigation system and responsible for its operation shall shut down and adjust the system as needed.

Do not connect an irrigation system (including greenhouse system) used for pesticide application to a public water system unless the label-prescribed safety devices for public water supplies are in place.

GENERAL INSTRUCTIONS FOR APPLICATIONS

FOOD CROPS

K-PHITE 7LP Systemic Fungicide/Bactericide is used for control of Downy Mildew, Powdery Mildew, *Erwinia amylovora*, Pythium, Fusarium, Rhizoctonia and Phytophthora disease (such as purple blotch, late blight, blue mold, soft rot, root rot, brown rot, foot rot, crown/collar rot, canker, fruit/foliar rot, fire blight, heart rot, pink rot, pythium leak, red stele, leather rot, etc.) of agronomic crops. (See specific crop groupings for additional diseases.) This product may be applied up to the day of harvest (0 day PHI). Apply K-PHITE 7LP to plants including:

Brassica Crop Grouping: Broccoli (all types), Brussels sprouts, Cabbage (all types), Cauliflower, Cavalo broccoli, Collards, Kale, Kohlrabi, Mizuna, Mustard greens, Mustard spinach and Rape greens.

APPLICATION GUIDELINES:

Disease Prevention Program*: Apply lower rate at 7-28 day intervals. Do not apply K-PHITE 7LP at intervals less than 3 days.

Disease Control Program: Apply higher rate at 7-14 day intervals until control is reached. Under severe circumstances, application can be made at intervals of up to every three days. Consult with Farm Advisor, Licensed Agricultural Pest Control Advisor or Certified Crop Advisor to determine disease severity.

Do not apply K-PHITE 7LP at intervals less than 3 days.

Make applications prior to disease development in conjunction with good cultural management practices. Use the higher rate when disease pressure is severe. Use rates and frequency are designed to prevent plant injury. If more frequent applications are necessary for disease control, consult a crop expert and follow their recommendations. Do not exceed the highest rate per application. Do not apply at less than 3 day intervals. Do not apply to plants that are dormant or heat or moisture stressed. Allow foliage to completely dry after application. Do not apply when conditions favor wet tissue for prolonged periods (>4 hours).

DISEASE	APPLICATION METHOD	RATE/APPLICATION
Cercospora (<i>Cercospora arachidicola</i>) Cercosporidium (<i>Cercosporidium personatum</i>) Clavibacter (<i>michiganensis</i> subsp. <i>nebraskensis</i>) Fusarium Phytophthora Pseudomonas spp. (including <i>syringae</i>) Pythium Ralstonia solanacearum Rhizoctonia Sclerotinia Xanthomonas spp. (including <i>campestris</i>)	Ground Application	1-3 quarts in a minimum of 20 gallons of water/acre.
	Aerial Application	1-3 quarts in a minimum of 10 gallons of water/acre.
	Chemigation	Drip or Microsprinkler: 2-4 quarts in at least 200 gallons of water/acre.
	Planter Bed, Root Dip or Transplant Drench	1-2 ounces /1000 ft. of row. 1-2 quarts/100 gallons of water, 1/3 – 2/3 fluid ounce/gallon of water. Can be applied prior to, during or after transplanting, in seed furrow, knife injected near seed, or over covered seed bed.
	Soil Application	2-4 quarts in min 20 gallons/acre. Lightly irrigate after application.
Alternaria Anthracnose Downy Mildew Powdery Mildew Rust	Ground Application	1-4 quarts in a minimum of 20 gallons of water/acre.
	Aerial Application	1-4 quarts in a minimum of 10 gallons of water/acre.

* Check with your local Extension Agent if you are unsure these conditions exist.

Cereal Grains, Forage and Fiber Crop Grouping: Alfalfa, Barley, Buckwheat, Canola, Clover (all types), Corn (all types), Cotton, Hay, Kudzu, Lespedeza, Lupin, Millet, Oats, Popcorn, Rice, Rye, Safflower, Sainfoin, Sorghum, Sunflower, Teosinte, Trefoil, Triticale, Vetch, Wheat and Wild rice.

APPLICATION GUIDELINES:

Disease Prevention Program*: Apply lower rate at 7-28 day intervals. Do not apply K-PHITE 7LP at intervals less than 3 days.

Disease Control Program: Apply higher rate at 7-14 day intervals until control is reached. Under severe circumstances, application can be made at intervals of up to every three days. Consult with Farm Advisor, Licensed Agricultural Pest Control Advisor or Certified Crop Advisor to determine disease severity.

Do not apply K-PHITE 7LP at intervals less than 3 days.

Make applications prior to disease development in conjunction with good cultural management practices. Use the higher rate when disease pressure is severe. Use rates and frequency are designed to prevent plant injury. If more frequent applications are necessary for disease control, consult a crop expert and follow their recommendations. Do not exceed the highest rate per application. Do not apply at less than 3 day intervals. Do not apply to plants that are dormant or heat or moisture stressed. Allow foliage to completely dry after application. Do not apply when conditions favor wet tissue for prolonged periods (>4 hours).

DISEASE	APPLICATION METHOD	RATE/APPLICATION
Cercospora (<i>Cercospora arachidicola</i>) Cercosporidium (<i>Cercosporidium personatum</i>) Clavibacter (<i>michiganensis</i> subsp. <i>nebraskensis</i>) Fusarium Phytophthora Pseudomonas spp. (including <i>syringae</i>) Pythium Ralstonia solanacearum Rhizoctonia Sclerotinia Xanthomonas spp. (including <i>campestris</i>)	Ground Application	1-3 quarts in a minimum of 20 gallons of water/acre.
	Aerial Application	1-3 quarts in a minimum of 10 gallons of water/acre.
	Chemigation	Drip or Microsprinkler: 2-4 quarts in at least 200 gallons of water/acre.
	Planter Bed, Root Dip or Transplant Drench	1-2 ounces /1000 ft. of row. 1-2 quarts/100 gallons of water, 1/3 – 2/3 fluid ounce/gallon of water. Can be applied prior to, during or after transplanting, in seed furrow, knife injected near seed, or over covered seed bed.
	Soil Application	2-4 quarts in min 20 gallons/acre. Lightly irrigate after application.
Alternaria Anthracnose Downy Mildew Powdery Mildew Rust	Ground Application	1-4 quarts in a minimum of 20 gallons of water/acre.
	Aerial Application	1-4 quarts in a minimum of 10 gallons of water/acre.

* Check with your local Extension Agent if you are unsure these conditions exist.

Citrus crops (including subtypes, hybrids and citrus-like crops), Avocado and Other Tropical and Subtropical Fruits (Bearing and Non-Bearing).

APPLICATION GUIDELINES:

Disease Prevention Program*: Apply lower rate at 7-28 day intervals. Do not apply K-PHITE 7LP at intervals less than 3 days.

Disease Control Program: Apply higher rate at 7-14 day intervals until control is reached. Under severe circumstances, application can be made at intervals of up to every three days. Consult with Farm Advisor, Licensed Agricultural Pest Control Advisor or Certified Crop Advisor to determine disease severity.

Do not apply K-PHITE 7LP at intervals less than 3 days.

Make applications prior to disease development in conjunction with good cultural management practices. Use the higher rate when disease pressure is severe. Use rates and frequency are designed to prevent plant injury. If more frequent applications are necessary for disease control, consult a crop expert and follow their recommendations. Do not exceed the highest rate per application. Do not apply at less than 3 day intervals. Do not apply to plants that are dormant or heat or moisture stressed. Allow foliage to completely dry after application. Do not apply when conditions favor wet tissue for prolonged periods (>4 hours).

DISEASE	APPLICATION METHOD	RATE/APPLICATION
<i>Botryosphaeria dothidea</i> <i>Cercospora</i> (<i>Cercospora arachidicola</i>) <i>Cercosporidium</i> (<i>Cercosporidium personatum</i>) <i>Clavibacter</i> (<i>michiganensis</i> subsp. <i>nebraskensis</i>) <i>Fusarium</i> <i>Phytophthora</i> (soil borne and aerial phases, including brown rot) <i>Pseudomonas</i> spp. (including <i>syringae</i>) <i>Pythium</i> <i>Ralstonia solanacearum</i> <i>Rhizoctonia</i> <i>Sclerotinia</i> <i>Xanthomonas</i> spp. (including <i>campestris</i>)	Ground Application (including ground or soil application)	2-8 quarts in a minimum of 20 gallons of water/acre.
	Aerial Application	1-3 quarts in a minimum of 10 gallons of water/acre.
	Chemigation	Sprinklers: 2-4 quarts in a minimum of 100 gallons of water/acre. Drip or Microsprinkler: 2-4 quarts in at least 100 gallons of water/acre.
	Transplant Drench/Dip	2 quarts/100 gallons of water, 2/3 fluid ounces/gallon of water. Apply as pre-plant dip to the roots for 15-30 minutes. Plant within 24 hours after dipping.
	Trunk or Bark Injection	3 teaspoons/linear yard of canopy width or 2 inches of trunk diameter at breast height (DBH). Inject directly into tree. Apply according to injection equipment instructions. Adjust rate based on injection equipment suggestions for specific applications. Repeat 2-4 times a year until control is reached.
	Soil/Root Drench	1-2 gallons/100 gallon of water or 1.25 - 2.5 fluid ounces per gallon. Apply 5-10 gallons of diluted solution per tree. Adjust volume as needed to thoroughly drench area around trunk. Apply at 3-4 week intervals and repeat as needed.
Alternaria Anthracnose Downy Mildew Powdery Mildew Rust Post Bloom Fruit Drop (PFD)	Ground Application	1-4 quarts in a minimum of 100 gallons of water/acre.
	Aerial Application	1-4 quarts in a minimum of 10 gallons of water/acre.

* Check with your local Extension Agent if you are unsure these conditions exist.

Cucurbit Crop Grouping: Cantaloupe, Chayote, Chinese waxgourd, Citron melon, Cucumber (all types), Gherkin, Gourd, Honeydew, Muskmelon, Pumpkin, Squash (summer and winter) and Watermelon.

APPLICATION GUIDELINES:

Disease Prevention Program*: Apply lower rate at 7-28 day intervals. Do not apply K-PHITE 7LP at intervals less than 3 days.

Disease Control Program: Apply higher rate at 7-14 day intervals until control is reached. Under severe circumstances, application can be made at intervals of up to every three days. Consult with Farm Advisor, Licensed Agricultural Pest Control Advisor or Certified Crop Advisor to determine disease severity.

Do not apply K-PHITE 7LP at intervals less than 3 days.

Make applications prior to disease development in conjunction with good cultural management practices. Use the higher rate when disease pressure is severe. Use rates and frequency are designed to prevent plant injury. If more frequent applications are necessary for disease control, consult a crop expert and follow their recommendations. Do not exceed the highest rate per application. Do not apply at less than 3 day intervals. Do not apply to plants that are dormant or heat or moisture stressed. Allow foliage to completely dry after application. Do not apply when conditions favor wet tissue for prolonged periods (>4 hours).

DISEASE	APPLICATION METHOD	RATE/APPLICATION
Cercospora (<i>Cercospora arachidicola</i>) Cercosporidium (<i>Cercosporidium personatum</i>) Clavibacter (<i>michiganensis</i> subsp. <i>nebraskensis</i>) Fusarium Phytophthora Pseudomonas spp. (including <i>syringae</i>) Pythium Ralstonia solanacearum Rhizoctonia Sclerotinia Xanthomonas spp. (including <i>campestris</i>)	Ground Application	1-3 quarts in a minimum of 20 gallons of water/acre.
	Aerial Application	1-3 quarts in a minimum of 10 gallons of water/acre.
	Chemigation	Drip or Microsprinkler: 2-4 quarts in at least 200 gallons of water/acre.
	Planter Bed, Root Dip or Transplant Drench	1-2 ounces /1000 ft. of row.
		1-2 quarts/100 gallons of water, 1/3 – 2/3 fluid ounce/gallon of water. Can be applied prior to, during or after transplanting, in seed furrow, knife injected near seed, or over covered seed bed.
	Soil Application	2-4 quarts in min 20 gallons/acre. Lightly irrigate after application.
Alternaria Anthracnose Downy Mildew Powdery Mildew Rust	Ground Application	1-4 quarts in a minimum of 20 gallons of water/acre.
	Aerial Application	1-4 quarts in a minimum of 10 gallons of water/acre.

* Check with your local Extension Agent if you are unsure these conditions exist.

Grapes and Cane Berry Crop Grouping: Grapes (all types), Blackberry (including bingberry, black satin berry, boysenberry, Cherokee blackberry, Chesterberry, Cheyenne blackberry, coryberry, darrowberry, dewberry, Dirksen thornless berry, Himalayaberry, hullberry, Lavacaberry, lowberry, Lucretiaberry, mammoth blackberry, marionberry, nectarberry, olallieberry, Oregon evergreen berry, phenomenalberry, rangeberry, ravenberry, rossberry, Shawnee blackberry, youngberry, and varieties and/or hybrids of these), Blueberry, Cane Berries, Cranberry, Currant, Elderberry, Gooseberry, Huckleberry, Loganberry and Raspberry (black and red).

APPLICATION GUIDELINES:

Disease Prevention Program*: Apply lower rate at 7-28 day intervals. Do not apply K-PHITE 7LP at intervals less than 3 days.

Disease Control Program: Apply higher rate at 7-14 day intervals until control is reached. Under severe circumstances, application can be made at intervals of up to every three days. Consult with Farm Advisor, Licensed Agricultural Pest Control Advisor or Certified Crop Advisor to determine disease severity.

Do not apply K-PHITE 7LP at intervals less than 3 days.

Make applications prior to disease development in conjunction with good cultural management practices. Use the higher rate when disease pressure is severe. Use rates and frequency are designed to prevent plant injury. If more frequent applications are necessary for disease control, consult a crop expert and follow their recommendations. Do not exceed the highest rate per application. Do not apply at less than 3 day intervals. Do not apply to plants that are dormant or heat or moisture stressed. Allow foliage to completely dry after application. Do not apply when conditions favor wet tissue for prolonged periods (>4 hours).

DISEASE	APPLICATION METHOD	RATE/APPLICATION
<i>Botryosphaeria dothidea</i> <i>Cercospora</i> (<i>Cercospora arachidicola</i>) <i>Cercosporidium</i> (<i>Cercosporidium personatum</i>) <i>Clavibacter</i> (<i>michiganensis</i> subsp. <i>nebraskensis</i>) <i>Fusarium</i> <i>Phytophthora</i> <i>Pseudomonas</i> spp. (including <i>syringae</i>) <i>Pythium</i> <i>Ralstonia solanacearum</i> <i>Rhizoctonia</i> <i>Sclerotinia</i> <i>Xanthomonas</i> spp. (including <i>campestris</i>)	Ground Application (including ground or soil application)	2-8 quarts in a minimum of 20 gallons of water/acre.
	Aerial Application	1-3 quarts in a minimum of 10 gallons of water/acre.
	Chemigation	Sprinklers: 2-4 quarts in a minimum of 100 gallons of water/acre. Drip or Microsprinkler: 2-3 quarts in at least 100 gallons of water/acre.
	Transplant Drench/Dip	2 quarts/100 gallons of water, 2/3 fluid ounces/gallon of water. Apply as pre-plant dip to the roots for 15-30 minutes. Plant within 24 hours after dipping.
	Soil Application	2-4 quarts in min 20 gallons/acre. Lightly irrigate after application.
Alternaria Anthracnose Downy Mildew Powdery Mildew Rust Post Bloom Fruit Drop (PFD)	Ground Application	1-4 quarts in a minimum of 20 gallons of water/acre.
	Aerial Application	1-4 quarts in a minimum of 10 gallons of water/acre.

* Check with your local Extension Agent if you are unsure these conditions exist.

Herbs and Spices Crop Grouping: Allspice, Angelica, Anise, Annatto, Balm, Basil, Borage, Bumet, Camomile, Caper buds, Caraway, Cardamom, Cassia bark and buds, Catnip, Celery seed, Chervil, Chive, Cinnamon, Clary, Clove, Cocoa, Coriander, Costmary, Cilantro, Cumin, Curry, Dill, Fennel, Fenugreek (Methi), Grains of paradise, Hops, Horehound, Hyssop, Juniper berry, Lavender, Lemongrass, Lovage, Mace, Marigold, Marjoram, Methi, Mint, Mustard, Nasturtium, Nutmeg, Parsley (all types), Pennyroyal, Pepper, Poppy seed, Rosemary, Rue, Saffron, Sage, Savory, Sweet bay, Tansy, Tarragon, Thyme, Vanilla, Wintergreen, Woodruff and Wormwood.

APPLICATION GUIDELINES:

Disease Prevention Program*: Apply lower rate at 7-28 day intervals. Do not apply K-PHITE 7LP at intervals less than 3 days.

Disease Control Program: Apply higher rate at 7-14 day intervals until control is reached. Under severe circumstances, application can be made at intervals of up to every three days. Consult with Farm Advisor, Licensed Agricultural Pest Control Advisor or Certified Crop Advisor to determine disease severity.

Do not apply K-PHITE 7LP at intervals less than 3 days.

Make applications prior to disease development in conjunction with good cultural management practices. Use the higher rate when disease pressure is severe. Use rates and frequency are designed to prevent plant injury. If more frequent applications are necessary for disease control, consult a crop expert and follow their recommendations. Do not exceed the highest rate per application. Do not apply at less than 3 day intervals. Do not apply to plants that are dormant or heat or moisture stressed. Allow foliage to completely dry after application. Do not apply when conditions favor wet tissue for prolonged periods (>4 hours).

DISEASE	APPLICATION METHOD	RATE/APPLICATION
Cercospora (<i>Cercospora arachidicola</i>) Cercosporidium (<i>Cercosporidium personatum</i>) Clavibacter (<i>michiganensis</i> subsp. <i>nebraskensis</i>) Fusarium Phytophthora Pseudomonas spp. (including <i>syringae</i>) Pythium Ralstonia solanacearum Rhizoctonia Sclerotinia Xanthomonas spp. (including <i>campestris</i>)	Ground Application	1-3 quarts in a minimum of 20 gallons of water/acre.
	Aerial Application	1-3 quarts in a minimum of 10 gallons of water/acre.
	Chemigation	Drip or Microsprinkler: 2-4 quarts in at least 200 gallons of water/acre.
	Planter Bed, Root Dip or Transplant Drench	1-2 ounces /1000 ft. of row. 1-2 quarts/100 gallons of water, 1/3 – 2/3 fluid ounce/gallon of water. Can be applied prior to, during or after transplanting, in seed furrow, knife injected near seed, or over covered seed bed.
	Soil Application	2-4 quarts in min 20 gallons/acre. Lightly irrigate after application.
Alternaria Anthracnose Downy Mildew Powdery Mildew Rust	Ground Application	1-4 quarts in a minimum of 20 gallons of water/acre.
	Aerial Application	1-4 quarts in a minimum of 10 gallons of water/acre.

* Check with your local Extension Agent if you are unsure these conditions exist.

Legume Vegetables Crop Grouping: Bean (all types), broad bean (fava bean), Chick pea (garbanzo bean), Guar, Jackbean, Lablab bean, Lentil, Pea (all types), Peanut, Pigeon pea, Soybean and Sword bean.

APPLICATION GUIDELINES:

Disease Prevention Program*: Apply lower rate at 7-28 day intervals. Do not apply K-PHITE 7LP at intervals less than 3 days.

Disease Control Program: Apply higher rate at 7-14 day intervals until control is reached. Under severe circumstances, application can be made at intervals of up to every three days. Consult with Farm Advisor, Licensed Agricultural Pest Control Advisor or Certified Crop Advisor to determine disease severity.

Do not apply K-PHITE 7LP at intervals less than 3 days.

Make applications prior to disease development in conjunction with good cultural management practices. Use the higher rate when disease pressure is severe. Use rates and frequency are designed to prevent plant injury. If more frequent applications are necessary for disease control, consult a crop expert and follow their recommendations. Do not exceed the highest rate per application. Do not apply at less than 3 day intervals. Do not apply to plants that are dormant or heat or moisture stressed. Allow foliage to completely dry after application. Do not apply when conditions favor wet tissue for prolonged periods (>4 hours).

DISEASE	APPLICATION METHOD	RATE/APPLICATION
Cercospora (<i>Cercospora arachidicola</i>) Cercosporidium (<i>Cercosporidium personatum</i>) Clavibacter (<i>michiganensis</i> subsp. <i>nebraskensis</i>) Fusarium Phytophthora Pseudomonas spp. (including <i>syringae</i>) Pythium Ralstonia solanacearum Rhizoctonia Sclerotinia Xanthomonas spp. (including <i>campestris</i>)	Ground Application	1-3 quarts in a minimum of 20 gallons of water/acre.
	Aerial Application	1-3 quarts in a minimum of 10 gallons of water/acre.
	Chemigation	Drip or Microsprinkler: 2-4 quarts in at least 200 gallons of water/acre.
	Planter Bed, Root Dip or Transplant Drench	1-2 ounces /1000 ft. of row.
		1-2 quarts/100 gallons of water, 1/3 – 2/3 fluid ounce/gallon of water. Can be applied prior to, during or after transplanting, in seed furrow, knife injected near seed, or over covered seed bed.
	Soil Application	2-4 quarts in min 20 gallons/acre. Lightly irrigate after application.
Alternaria Anthracnose Downy Mildew Powdery Mildew Rust	Ground Application	1-4 quarts in a minimum of 20 gallons of water/acre.
	Aerial Application	1-4 quarts in a minimum of 10 gallons of water/acre.

* Check with your local Extension Agent if you are unsure these conditions exist.

Pome Fruits Crop Grouping (Bearing and Non-Bearing) including Papaya: Apple, Crabapple, Loquat, Mayhaw, Papaya, Pear, Pomegranate and Quince.

APPLICATION GUIDELINES:

Disease Prevention Program*: Apply lower rate at 7-28 day intervals. Do not apply K-PHITE 7LP at intervals less than 3 days.

Disease Control Program: Apply higher rate at 7-14 day intervals until control is reached. Under severe circumstances, application can be made at intervals of up to every three days. Consult with Farm Advisor, Licensed Agricultural Pest Control Advisor or Certified Crop Advisor to determine disease severity.

Do not apply K-PHITE 7LP at intervals less than 3 days.

Make applications prior to disease development in conjunction with good cultural management practices. Use the higher rate when disease pressure is severe. Use rates and frequency are designed to prevent plant injury. If more frequent applications are necessary for disease control, consult a crop expert and follow their recommendations. Do not exceed the highest rate per application. Do not apply at less than 3 day intervals. Do not apply to plants that are dormant or heat or moisture stressed. Allow foliage to completely dry after application. Do not apply when conditions favor wet tissue for prolonged periods (>4 hours).

DISEASE	APPLICATION METHOD	RATE/APPLICATION
Cercospora (<i>Cercospora arachidicola</i>) Cercosporidium (<i>Cercosporidium personatum</i>) Clavibacter (<i>michiganensis</i> subsp. <i>nebraskensis</i>) Erwinia Fusarium Phytophthora Pseudomonas spp. (including <i>syringae</i>) Pythium Ralstonia solanacearum Rhizoctonia Sclerotinia Xanthomonas spp. (including <i>campestris</i>)	Ground Application (including ground or soil application)	2-8 quarts in a minimum of 20 gallons of water/acre.
	Aerial Application	1-3 quarts in a minimum of 10 gallons of water/acre.
	Chemigation	Sprinklers: 2-4 quarts in a minimum of 100 gallons of water/acre. Drip or Microsprinkler: 2-3 quarts in at least 100 gallons of water/acre.
	Transplant Drench/Dip	2 quarts/100 gallons of water, 2/3 fluid ounces/gallon of water. Apply as pre-plant dip to the roots for 15-30 minutes. Plant within 24 hours after dipping.
	Trunk or Bark Injection	3 teaspoons/linear yard of canopy width or 2 inches of trunk diameter at breast height (DBH). Inject directly into tree. Apply according to injection equipment instructions. Adjust rate based on injection equipment suggestions for specific applications. Repeat 2-4 times a year until control is reached.
	Soil/Root Drench	1-2 gallons/100 gallon of water or 1.25 - 2.5 fluid ounces per gallon. Apply 5-10 gallons of diluted solution per tree. Adjust volume as needed to thoroughly drench area around trunk. Apply at 3-4 week intervals and repeat as needed.
Alternaria Anthracnose Downy Mildew Powdery Mildew Rust	Ground Application	1-4 quarts in a minimum of 100 gallons of water/acre.
	Aerial Application	1-4 quarts in a minimum of 10 gallons of water/acre.

* Check with your local Extension Agent if you are unsure these conditions exist.

Stone Fruits Crop Grouping including Olives: Apricot, Cherry, Nectarine, Olive, Peach, Plum, Pluot and Prune.

APPLICATION GUIDELINES:

Disease Prevention Program*: Apply lower rate at 7-28 day intervals. Do not apply K-PHITE 7LP at intervals less than 3 days.

Disease Control Program: Apply higher rate at 7-14 day intervals until control is reached. Under severe circumstances, application can be made at intervals of up to every three days. Consult with Farm Advisor, Licensed Agricultural Pest Control Advisor or Certified Crop Advisor to determine disease severity.

Do not apply K-PHITE 7LP at intervals less than 3 days.

Make applications prior to disease development in conjunction with good cultural management practices. Use the higher rate when disease pressure is severe. Use rates and frequency are designed to prevent plant injury. If more frequent applications are necessary for disease control, consult a crop expert and follow their recommendations. Do not exceed the highest rate per application. Do not apply at less than 3 day intervals. Do not apply to plants that are dormant or heat or moisture stressed. Allow foliage to completely dry after application. Do not apply when conditions favor wet tissue for prolonged periods (>4 hours).

DISEASE	APPLICATION METHOD	RATE/APPLICATION
<i>Armillaria</i> Root Rot (Oak Root Fungus) <i>Botryosphaeria dothidea</i> <i>Cercospora</i> (<i>Cercospora arachidicola</i>) <i>Cercosporidium</i> (<i>Cercosporidium personatum</i>) <i>Cladosporium carpophilum</i> <i>Clavibacter</i> (<i>michiganensis</i> subsp. <i>nebraskensis</i>) <i>Erwinia</i> <i>Eutypa lata</i> <i>Fusarium</i> <i>Phytophthora</i> Root and Crown Rot <i>Pseudomonas</i> spp. (including <i>syringae</i>) <i>Pythium</i> <i>Ralstonia solanacearum</i> <i>Rhizoctonia</i> <i>Sclerotinia sclerotiorum</i> Shot Hole Disease – <i>Wilsonomyces carpophilus</i> <i>Xanthomonas</i> spp. (including <i>campestris</i>)	Ground Application (including ground or soil application)	2-8 quarts in a minimum of 20 gallons of water/acre.
	Aerial Application	1-3 quarts in a minimum of 10 gallons of water/acre.
	Chemigation	Sprinklers: 2-4 quarts in a minimum of 100 gallons of water/acre. Drip or Microsprinkler: 2-3 quarts in at least 100 gallons of water/acre.
	Transplant Drench/Dip	2 quarts/100 gallons of water, 2/3 fluid ounces/gallon of water. Apply as pre-plant dip to the roots for 15-30 minutes. Plant within 24 hours after dipping.
	Trunk or Bark Injection	3 teaspoons/linear yard of canopy width or 2 inches of trunk diameter at breast height (DBH). Inject directly into tree. Apply according to injection equipment instructions. Adjust rate based on injection equipment suggestions for specific applications. Repeat 2-4 times a year until control is reached.
	Soil/Root Drench	1-2 gallons/100 gallon of water or 1.25 - 2.5 fluid ounces per gallon. Apply 5-10 gallons of diluted solution per tree. Adjust volume as needed to thoroughly drench area around trunk. Apply at 3-4 week intervals and repeat as needed.
Alternaria Anthracnose Downy Mildew Powdery Mildew Rust	Ground Application	1-4 quarts in a minimum of 100 gallons of water/acre.
	Aerial Application	1-4 quarts in a minimum of 10 gallons of water/acre.

* Check with your local Extension Agent if you are unsure these conditions exist.

Tree Nuts Crop Grouping: Almond, Areca (Betelnut Palm), Beech nut, Brazil nut, Butternut, Cashew, Chestnut, Chinquapin, Filbert, Hickory nut, Kiwi, Macadamia nut, Pecan, Pistachio and Walnut.

APPLICATION GUIDELINES:

Disease Prevention Program*: Apply lower rate at 7-28 day intervals. Do not apply K-PHITE 7LP at intervals less than 3 days.

Disease Control Program: Apply higher rate at 7-14 day intervals until control is reached. Under severe circumstances, application can be made at intervals of up to every three days. Consult with Farm Advisor, Licensed Agricultural Pest Control Advisor or Certified Crop Advisor to determine disease severity.

Do not apply K-PHITE 7LP at intervals less than 3 days.

Make applications prior to disease development in conjunction with good cultural management practices. Use the higher rate when disease pressure is severe. Use rates and frequency are designed to prevent plant injury. If more frequent applications are necessary for disease control, consult a crop expert and follow their recommendations. Do not exceed the highest rate per application. Do not apply at less than 3 day intervals. Do not apply to plants that are dormant or heat or moisture stressed. Allow foliage to completely dry after application. Do not apply when conditions favor wet tissue for prolonged periods (>4 hours).

DISEASE	APPLICATION METHOD	RATE/APPLICATION
<i>Armillaria</i> Root Rot (Oak Root Fungus) <i>Botryosphaeria</i> <i>Cercospora</i> (<i>Cercospora arachidicola</i>) <i>Cercosporidium</i> (<i>Cercosporidium personatum</i>) <i>Cladosporium caryigenum</i> <i>Clavibacter</i> (<i>michiganensis</i> subsp. <i>nebraskensis</i>) <i>Fusarium</i> <i>Fusicladium effusum</i> <i>Phytophthora</i> <i>Pseudomonas</i> spp. (including <i>syringae</i>) <i>Pythium</i> <i>Ralstonia solanacearum</i> <i>Rhizoctonia</i> <i>Sclerotinia</i> <i>Xanthomonas</i> spp. (including <i>campestris</i>)	Ground Application (including ground or soil application)	2-8 quarts in a minimum of 20 gallons of water/acre.
	Aerial Application	1-3 quarts in a minimum of 10 gallons of water/acre.
	Chemigation	Sprinklers: 2-4 quarts in a minimum of 100 gallons of water/acre. Drip or Microsprinkler: 2-3 quarts in at least 100 gallons of water/acre.
	Transplant Drench/Dip	2 quarts/100 gallons of water, 2/3 fluid ounces/gallon of water. Apply as pre-plant dip to the roots for 15-30 minutes. Plant within 24 hours after dipping.
	Trunk or Bark Injection	3 teaspoons/linear yard of canopy width or 2 inches of trunk diameter at breast height (DBH). Inject directly into tree. Apply according to injection equipment instructions. Adjust rate based on injection equipment suggestions for specific applications. Repeat 2-4 times a year until control is reached.
	Soil/Root Drench	1-2 gallons/100 gallon of water or 1.25 - 2.5 fluid ounces per gallon. Apply 5-10 gallons of diluted solution per tree. Adjust volume as needed to thoroughly drench area around trunk. Apply at 3-4 week intervals and repeat as needed.
<i>Alternaria</i> Anthracnose Downy Mildew Powdery Mildew Rust	Ground Application	1-4 quarts in a minimum of 100 gallons of water/acre.
	Aerial Application	1-4 quarts in a minimum of 10 gallons of water/acre.

* Check with your local Extension Agent if you are unsure these conditions exist.

Vegetables Crop Grouping Including Miscellaneous Food Crops: (Leafy, Root and Tuber) Amaranth (Chinese Spinach, Tampala, etc.) Arracacha, Arugula, Arrowroot, Artichoke (all types), Asparagus, Beet (all types), Burdock, Canna, Cardoon, Carrot, Cassava, Celeriac, Celery, Chayote, Chervil (Turnip-rooted), Chicory, Chillies, Chrysanthemum (edible), Chufa, Cinchoca, Coconut, Coffee, Corn (all types), Cress (all types), Dandelion, Dasheen, Dock, Eggplant, Endive, Fennel, Garlic, Ginger, Ginseng, Horseradish, Leren, Lettuce (all types), Okra, Onion, Orach, Parsley, Parsnip, Peppers (all types), Pineapple, Purslane, Potato (all types), Radicchio, Radish (all types), Rhubarb, Rutabaga, Salisify (all types), Skirret, Spinach (all types), Strawberry, Sugarbeet, Sugarcane, Sweet Potato, Swiss Chard, Tanier, Tobacco, Tomato, Turmeric, Turnip, Yam (all types).

APPLICATION GUIDELINES:

Disease Prevention Program*: Apply lower rate at 7-28 day intervals. Do not apply K-PHITE 7LP at intervals less than 3 days.

Disease Control Program: Apply higher rate at 7-14 day intervals until control is reached. Under severe circumstances, application can be made at intervals of up to every three days. Consult with Farm Advisor, Licensed Agricultural Pest Control Advisor or Certified Crop Advisor to determine disease severity.

Do not apply K-PHITE 7LP at intervals less than 3 days.

Make applications prior to disease development in conjunction with good cultural management practices. Use the higher rate when disease pressure is severe. Use rates and frequency are designed to prevent plant injury. If more frequent applications are necessary for disease control, consult a crop expert and follow their recommendations. Do not exceed the highest rate per application. Do not apply at less than 3 day intervals. Do not apply to plants that are dormant or heat or moisture stressed. Allow foliage to completely dry after application. Do not apply when conditions favor wet tissue for prolonged periods (>4 hours).

DISEASE	APPLICATION METHOD	RATE/APPLICATION
Cercospora (<i>Cercospora arachidicola</i>) Cercosporidium (<i>Cercosporidium personatum</i>) Clavibacter (<i>michiganensis</i> subsp. <i>nebraskensis</i>) Fusarium Phytophthora Pseudomonas spp. (including <i>syringae</i>) Pythium Ralstonia solanacearum Rhizoctonia Sclerotinia Xanthomonas spp. (including <i>campestris</i>)	Ground Application	1-3 quarts in a minimum of 20 gallons of water/acre.
	Aerial Application	1-3 quarts in a minimum of 10 gallons of water/acre.
	Chemigation	Drip or Microsprinkler: 2-4 quarts in at least 200 gallons of water/acre.
	Planter Bed, Root Dip or Transplant Drench	1-2 ounces /1000 ft. of row. 1-2 quarts/100 gallons of water, 1/3 – 2/3 fluid ounce/gallon of water. Can be applied prior to, during or after transplanting, in seed furrow, knife injected near seed, or over covered seed bed.
	Soil Application	2-4 quarts in min 20 gallons/acre. Lightly irrigate after application.
Late Blight (<i>Phytophthora infestans</i>) Pink Rot (<i>Phytophthora erythroseptica</i>)	Ground Application	3-5 quarts in a minimum of 20 gallons of water/acre.
	Aerial Application	3-5 quarts in a minimum of 10 gallons of water/acre.
Alternaria Anthracnose Downy Mildew Powdery Mildew Rust	Ground Application	1-4 quarts in a minimum of 20 gallons of water/acre.
	Aerial Application	1-4 quarts in a minimum of 10 gallons of water/acre.

* Check with your local Extension Agent if you are unsure these conditions exist.

ORNAMENTALS

K-PHITE 7LP fungicide is used for control of Pythium, Downy Mildew, Powdery Mildew, Phytophthora and various other diseases of ORNAMENTALS grown in commercial nurseries and greenhouses, golf courses, parks and commercial landscapes. Apply K-PHITE 7LP to all ornamental and landscape plants including (but not limited to): Aglaonema, Aphelandra, Arborvitae, Ash, Azaleas, Bougainvilles, Boxwood, Bushes, *Cattleya skinneri*, Cedars, Ceanothus, Cotoneaster, Cissus, Diffenbachia, Dogwood, Ferns, Ficus, Flowering Trees, Hibiscus, Hard Wood Trees, Holly, Home Lawns, Juniper, Magnolia Trees, Maple, Pines, Oaks, Palms, Peperomia, Photinia, Pittosporum, Philodendron, Pieris, Pothos, Red woods, Rhododendron, Roses, Schefflera, Sedum, Sempervivum, Shrubs, Spathiphyllum, Sycamore, Taxus media, Zygocactus.

APPLICATION GUIDELINES:

Disease Prevention Program*: Apply lower rate at 7-28 day intervals. Do not apply K-PHITE 7LP at intervals less than 3 days.

Disease Control Program: Apply higher rate at 7-14 day intervals until control is reached. Under severe circumstances, application can be made at intervals of up to every three days. Consult with Farm Advisor, Licensed Agricultural Pest Control Advisor or Certified Crop Advisor to determine disease severity.

Do not apply K-PHITE 7LP at intervals less than 3 days.

Make applications prior to disease development in conjunction with good cultural management practices. Use the higher rate when disease pressure is severe. Use rates and frequency are designed to prevent plant injury. If more frequent applications are necessary for disease control, consult a crop expert and follow their recommendations. Do not exceed the highest rate per application. Do not apply at less than 3 day intervals. Do not apply to plants that are dormant or heat or moisture stressed. Allow foliage to completely dry after application. Do not apply when conditions favor wet tissue for prolonged periods (>4 hours).

DISEASE	APPLICATION METHOD	RATE/APPLICATION
Anthracnose Fire Blight (<i>Erwinia amylovora</i>) Fusarium Geranium Wilt (<i>Ralstonia spp.</i>) Phytophthora Pythium Rhizoctonia Xanthomonas spp (Including <i>campestris</i>)	Foliar Spray	1-2 quarts in a minimum of 100 gallons of water/acre or 1/3 – 2/3 fluid ounce/gallon of water..
	Soil Drench	12-24 fluid ounce/100 gallon of water or 1/8 – 1/4 fluid ounce per gallon of water
	Soil Incorporation	1-2 pints/cubic yard of soil mix.
	Irrigation	Overhead: 1-2 quarts/100 gallons of water. Drip: 1-2 quarts/100 gallons of water. Apply with normal irrigation schedule.
	Trunk or Bark Injection	3 teaspoons/linear yard of canopy width or 2 inches of trunk diameter at breast height (DBH). Inject directly into tree. Apply according to injection equipment instructions. Adjust rate based on injection equipment suggestions for specific applications. Repeat 2-4 times a year until control is reached.
	Root Dip	2 quarts/100 gallons of water or 2/3 fluid ounce/gallon of water. Dip transplants into diluted solution of K-PHITE 7LP. Thoroughly wet plant root mass immediately before transplanting. Keep roots submerged for 1 to 2 minutes.
Downy Mildew Powdery Mildew	Foliar Spray	1-2 quarts/100 gallons of water or 1/3 - 2/3 fluid ounce/ gallon of water

* Check with your local Extension Agent if you are unsure these conditions exist.

BEDDING PLANTS

K-PHITE 7LP fungicide is used for control of Downy Mildew, Powdery Mildew, Pythium, Phytophthora and various other diseases of bedding plants grown in commercial nurseries and greenhouses, golf courses, parks and commercial landscapes. Apply K-PHITE 7LP to all bedding plants including: Ageratum, Algerian Ivy, Alyssum, Anthurium, Artemisia, Aster, Baby's Breath, Begonia, Caladium, Carnation, Chrysanthemum, Coleus, Columbine, Daisy, Delphinium, Easter Lily, English Ivy, Foxglove, Gaillardia, Geranium, Gloxinia, Impatiens, Marigold, Pansy, Petunia, Phlox, Pinks, Poinsettia, Primrose, Prostrate Rosemary, Salvia, Snapdragon, Verbena, Vinca, Zinnia, etc.

APPLICATION GUIDELINES:

Disease Prevention Program*: Apply lower rate at 7-28 day intervals. Do not apply K-PHITE 7LP at intervals less than 3 days.

Disease Control Program: Apply higher rate at 7-14 day intervals until control is reached. Under severe circumstances, application can be made at intervals of up to every three days. Consult with Farm Advisor, Licensed Agricultural Pest Control Advisor or Certified Crop Advisor to determine disease severity.

Do not apply K-PHITE 7LP at intervals less than 3 days.

Make applications prior to disease development in conjunction with good cultural management practices. Use the higher rate when disease pressure is severe. Use rates and frequency are designed to prevent plant injury. If more frequent applications are necessary for disease control, consult a crop expert and follow their recommendations. Do not exceed the highest rate per application. Do not apply at less than 3 day intervals. Do not apply to plants that are dormant or heat or moisture stressed. Allow foliage to completely dry after application. Do not apply when conditions favor wet tissue for prolonged periods (>4 hours).

DISEASE	APPLICATION METHOD	RATE/APPLICATION
Anthracnose Fire Blight (<i>Erwinia amylovora</i>) Fusarium Phytophthora Pythium Rhizoctonia	Foliar Spray	1-2 quarts in a minimum of 100 gallons of water/acre or 1/3 – 2/3 fluid ounce/gallon of water. Apply diluted solution to thoroughly wet foliage. Apply at 2-3 week intervals and repeat as needed.
	Root Dip	2 quarts/100 gallons of water or 2/3 fluid ounces/gallon of water. Dip transplants into diluted solution of K-PHITE 7LP. Thoroughly wet plant root mass immediately before transplanting. Keep roots submerged for 1 to 2 minutes.
	Soil Drench	12-24 fluid ounces/100 gallons of water of 1/8 to 1/4 fluid ounce/gallon of water.
	Irrigation	Overhead: 1-2 quarts/100 gallons of water. Drip: 1-2 quarts/100 gallons of water. Apply with normal irrigation schedule.
Downy Mildew Powdery Mildew	Foliar Spray	1-2 quarts/100 gallons water or 1/3 - 2/3 fluid ounce/gallon of water. Apply diluted solution to thoroughly wet foliage. Apply at 2-3 week intervals and repeat as needed. Do not apply more than 6 times per crop cycle or year.

* Check with your local Extension Agent if you are unsure these conditions exist.

**CONIFERS AND TREES IN COMMERCIAL NURSERIES, PLANTATIONS AND FORESTS,
LANDSCAPES AND PARKS (INCLUDING CHRISTMAS TREES, OAKS and PINES)**

APPLICATION GUIDELINES:

Disease Prevention Program*: Apply lower rate at 7-28 day intervals. Do not apply K-PHITE 7LP at intervals less than 3 days.

Disease Control Program: Apply higher rate at 7-14 day intervals until control is reached. Under severe circumstances, application can be made at intervals of up to every three days. Consult with Farm Advisor, Licensed Agricultural Pest Control Advisor or Certified Crop Advisor to determine disease severity.

Do not apply K-PHITE 7LP at intervals less than 3 days.

K-PHITE 7LP applied in conjunction with good cultural management practices will control Phytophthora root rot of conifers including (but not limited to): Douglas Fir, spruce and pines also other Phytophthora disease of Oaks (Sudden Oak Death) and forest trees. Use the higher rates when disease pressure is severe. Do not apply to trees that are under heat or moisture stress. *Do not graze livestock in treated conifer nurseries and/or plantations. Do not feed forage to livestock from treated nurseries and/or plantations.

DISEASE	APPLICATION METHOD	RATE/APPLICATION
Phytophthora Sudden Oak Death	Foliar Spray	1-2 quarts in a minimum of 100 gallons of water/acre.
	Soil Drench	12-24 fluid ounces/100 gallons of water of 1/8 to 1/4 fluid ounce/gallon of water. Apply 1-2 pts. of diluted solution per sq. foot. Adjust volume as needed to thoroughly wet media.
	Trunk or Bark Injection	3 teaspoons/linear yard of canopy width or 2 inches of trunk diameter at breast height (DBH). Inject directly into tree. Apply according to injection equipment instructions. Adjust rate based on injection equipment suggestions for specific applications.
	Root Dip	2 quarts/100 gallons of water or 2/3 fluid ounce/gallon of water. Apply as a pre-plant dip to the roots for 15-30 minutes. Plant within 24 hours after dipping.

*Do not graze livestock in treated conifer nurseries and/or plantations. Do not feed forage to livestock from treated nurseries and/or plantations.

TURF

K-PHITE 7LP is a systemic Fungicide/Bactericide, which is used for the control of Pythium blight, Summer Complex (Bermuda and others), Dollar Spot, Grey Leaf Spot, Brown Patch, Anthracnose and damping-off diseases to turf grasses and commercial turf production. Use higher rates under severe disease conditions.

APPLICATION GUIDELINES:

Apply amount in minimum of 2 gallons of water per 1,000 sq. ft.

Disease Prevention Program*: Apply lower rate at 7-28 day intervals. Do not apply K-PHITE 7LP at intervals less than 3 days.

Disease Control Program: Apply higher rate at 7-14 day intervals until control is reached. Under severe circumstances, application can be made at intervals of up to every three days. Consult with Farm Advisor, Licensed Agricultural Pest Control Advisor or Certified Crop Advisor to determine disease severity.

Do not apply K-PHITE 7LP at intervals less than 3 days.

DISEASE	APPLICATION METHOD	RATE/APPLICATION
Acidovorax Alternaria Anthracnose (<i>Colletotrichum graminicola</i>) Cercospora Helminthosporium Phytophthora Pythium (Yellow Turf) Rhizoctonia Sclerotinia Xanthomonas	Foliar Spray	3-6 fluid ounces/1000 square feet. (Fairways: 2-6 fluid ounces/1000 square feet.) Or 3-6 quarts/100 gallons of water/acre.
	Irrigation	Overhead: 2-4 quarts/acre in at least 100 gallons of water.

*Do not graze animals on treated turf. Do not feed clippings from treated turf to livestock and poultry.

STORAGE AND DISPOSAL

PESTICIDE STORAGE: Do not contaminate water, food, or feed by storage or disposal. Store in a cool, dry place.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on-site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Do not reuse empty container. Triple rinse (or equivalent) and offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, keep out of smoke.

NOTICE TO BUYER

To the extent permitted by law, all conditions and warranties, and statutory or other rights of action which buyer or any other user may have against Plant Food Systems Inc. or seller are hereby excluded. Plant Food Systems Inc. hereby gives notice to buyer and other users that it will not accept responsibility for any indirect or consequential loss arising from reliance on product information provided by Plant Food Systems Inc. or on its behalf unless it is established that such information or advice was provided negligently and that the product has been used strictly as directed. Plant Food Systems Inc.'s liability shall in all circumstances be limited to replacement of the product or a refund of the purchase price thereof.

**SUBLABEL B – COMMERCIAL PRODUCTS: FOR COMMERCIAL APPLICATORS
SUBJECT TO WORKER PROTECTION STANDARD (TRUNK INJECTION ONLY)**

Primary Brand Name: K-PHITE 7LP FUNGICIDE

Alternate Brand Name: K-PHITE® 7LP SYSTEMIC FUNGICIDE BACTERICIDE

A systemic fungicide bactericide for the control of downy mildew, phytophthora, pythium, and various other diseases on agricultural and greenhouse crops, indoor and outdoor ornamentals, bedding plants and forestry applications, and domestic trees including conifers, pines, oaks and turf.

ACTIVE INGREDIENTS:

Mono- and dipotassium salts of Phosphorous Acid* 56%

OTHER INGREDIENTS:..... 44%

TOTAL..... 100%

* Contains 7.03 lbs./gallon of active ingredients, mono-and dipotassium salts of Phosphorus Acid (Mono and dipotassium poly phosphite). Equivalent to 4.41 lbs. Phosphorus Acid/gallon.

* K-PHITE 7LP's unique manufacturing process and molecule are protected by the following patents:

Reactor: 4724132

Molecule: 7877616, 8221516, 8088191

KEEP OUT OF REACH OF CHILDREN

CAUTION

See Inside booklet for First Aid and Additional Precautionary Statements.

NET CONTENTS

2 1/2 gallons (9.463 liters)

30 gallons (113.6 liters)

55 gallons (208.2 liters)

Bulk Containers (100 – 4000 gallons)

Other _____

MANUFACTURED BY:

PLANT FOOD SYSTEMS, INC
2827 Union St. P.O. Box 775
Zellwood, FL 32798

EPA Reg. No. 73806-1

EPA Est. No. 73806-FL-001

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling.

FIRST AID STATEMENTS	
If in eyes	<ul style="list-style-type: none">• Hold eye open and rinse slowly and gently with water for 15-20 minutes.• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.• Call a poison control center or doctor for treatment advice.
HOT LINE NUMBER	
Have the container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact the National Pesticide Information Center (NPIC) at 1-800-858-7378 for emergency medical treatment information.	

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear long-sleeved shirt and long pants, shoes plus socks and protective eyewear. Follow manufacturer's instructions for cleaning/maintaining personal protective equipment (PPE). If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS BOX
Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
Users should remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

For terrestrial uses: Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Read entire label before using this product.

Do not apply this product in a way that will contact workers or other person, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS:
Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Workers Protection Standard.
Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 4 hours.
PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated such as plants, soil, or water, is: coveralls over long-sleeved shirt and long pants, socks, shoes, chemical resistant gloves and protective eyewear.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements of this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Do not enter treated areas without protective clothing until sprays have dried.

GENERAL APPLICATION INSTRUCTIONS

Apply K-PHITE 7LP by various application methods, including foliar sprays, trunk injection, soil drench, soil incorporation, and bare root dip. For foliar sprays, apply K-PHITE 7LP with sufficient water for adequate coverage of foliage, according to crop and growth stage. To insure good coverage, spray to wet.

MIXING INSTRUCTIONS

1. Fill the spray tank with 1/2 of the required volume of water.
2. Add K-PHITE 7LP slowly to the tank and agitate by hydraulic or mechanical means.
3. Continue to fill the tank with water to the desired volume while agitating.
4. Continue agitation when applying.

For 1-gallon (3.785 liters) container sizes: this package can treat up to 34,848 sq. ft. at the maximum treatment rate.

For 2 ½-gallon (9.463 liters) container sizes: this package can treat up to 2 acres at the maximum treatment rate.

For 5-gallon (18.925 liters) container sizes: this package can treat up to 4 acres at the maximum treatment rate.

LOW VOLUME AND ULTRA-LOW VOLUME APPLICATIONS

Label rates are written for conventional application equipment. For LV/ULV equipment, use per acre rate of K-PHITE 7LP and adjust amount of water to equipment needs. Always conduct a phytotoxicity test on a small area before applying to a large area in order to assess any potential risk to plants.

COMPATIBILITY

Mixing K-PHITE 7LP with certain surfactants, foliar fertilizers or other pesticides may cause crop injury. K-PHITE 7LP is a slightly acidic buffer solution. Avoid mixing K-PHITE 7LP with strongly acidic or alkaline materials. Do not tank mix without first testing the mixture's compatibility nor apply it without assessing its safety to the crop (phytotoxicity). It is not possible to test all material combinations and environmental tank mix combinations. Always conduct a test with the intended tank mix on a small area prior to any large-scale applications. To determine if a combination is phytotoxic to a specific crop, spray a small area of foliage and fruit, and then evaluate 3-7 days later for visual symptoms.

Test the compatibility of spray adjuvants (i.e. stickers, spreaders, wetting agents) with K-PHITE 7LP before use. Do not use acidifying type compatibility agents.

To determine the compatibility of K-PHITE 7LP with other products, use a jar compatibility test. Add the correct proportions of each product and the appropriate quantity of water to clean container, thoroughly mix, then let stand for 3-5 minutes. If the mixture remains in solution or can be remixed readily, the products are considered compatible.

CHEMIGATION

APPLICATIONS THROUGH SPRINKLER AND DRIP IRRIGATION SYSTEMS

Apply this product through microsprinkler, drip, solid set and center pivot sprinkler irrigation systems. Do not apply this product through any other type of irrigation system.

PREPARATION OF INJECTION EQUIPMENT: Remove scale, pesticide residues and other foreign matter from the chemical tank and entire injector system. Flush with clean water.

APPLICATION INSTRUCTIONS: Fill tank with 1/2 to 3/4 of desired amount of water. Start mechanical or hydraulic agitation. Add the required amount of K-PHITE 7LP, then the remaining volume of water. Set sprinkler to deliver 0.1 to 0.3 inch of water per acre. Start sprinkler and uniformly inject the solution of K-PHITE 7LP into the irrigation water line so as to deliver the desired rate per acre. Inject the K-PHITE 7LP solution with a positive displacement pump into the main line ahead of a right angle turn to insure adequate mixing. For other questions about calibration, contact State Extension Service specialists, equipment manufacturers or other experts.

NOTE: For Microsprinkler and Drip Irrigation Systems: Avoid further irrigation of the treated area for 24 to 48 hours after treatment with K-PHITE 7LP has been completed. For Solid Set and Center Pivot Irrigation Systems: Avoid further irrigation of the K-PHITE 7LP treated area until after the foliage has completely dried. This will help to prevent washing the chemical off the crop.

GENERAL PRECAUTIONS FOR APPLICATIONS THROUGH SPRINKLER AND DRIP IRRIGATION SYSTEMS

The system must contain a functional check valve, vacuum relief valve, and low-pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from back flow. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigate ion system is either automatically or manually shut down. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops. The irrigation line or water pump must include a functional pressure switch, which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock. Do not apply when wind speed favors drift beyond the area intended for treatment.

Maintain continuous agitation in mix tank during mixing and application to assure uniformity solution. Do not apply when wind speed favors drift, when system connection or fittings leak, when nozzles do not provide uniform distribution, or when lines containing the product must be dismantled or drained. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop may result from non-uniform distribution of chemigation water.

Allow sufficient time for pesticide to be flushed through all lines and all nozzles before turning off irrigation water. A person knowledgeable of the chemigation system and responsible for its operation shall shut down and adjust the system as needed.

Do not connect an irrigation system (including greenhouse system) used for pesticide application to a public water system unless the label-prescribed safety devices for public water supplies are in place.

GENERAL INSTRUCTIONS FOR APPLICATIONS FOOD CROPS

K-PHITE 7LP Systemic Fungicide/Bactericide is used for control of Downy Mildew, Powdery Mildew, *Erwinia amylovora*, Pythium, Fusarium, Rhizoctonia and Phytophthora disease (such as purple blotch, late blight, blue mold, soft rot, root rot, brown rot, foot rot, crown/collar rot, canker, fruit/foliar rot, fire blight, heart rot, pink rot, pythium leak, red stele, leather rot, etc.) of agronomic crops. (See specific crop groupings for additional diseases.) This product may be applied up to the day of harvest **[0 day PHI]**. Apply K-PHITE 7LP to plants including:

Citrus Crop Grouping (Bearing and Non-Bearing) including Avocado: Avocado, Calamondin, Citrus hybrids, Grapefruit, Kumquat, Lemon, Lime, Mandarin, Orange (all types), Pummelo and Satsuma mandarin.

Pome Fruits Crop Grouping: (Bearing and Non-Bearing) Apple, Crabapple, Loquat, Mayhaw, Pear and Quince.

Stone Fruits Crop Grouping: Apricot, Cherry, Nectarine, Peach, Plum, Plumcot and Prune.

Tree Nuts and Vines Crop Grouping: Almond, Beech Nut, Brazil Nut, Butternut, Cashew, Chestnut, Chinquapin, Filbert, Grapes, Hickory Nut, Macadamia Nut, Pecan, Pistachio and Walnut.

ORNAMENTALS

K-PHITE 7LP fungicide is used for control of Pythium, Downy Mildew, Phytophthora and various other diseases of ORNAMENTALS grown in commercial nurseries and greenhouses, golf courses, parks and commercial landscapes. Apply K-PHITE 7LP to ornamental and landscape plants including: Boxwood, Cedars, Ceanothus, Dogwood, Ficus, Flowering Trees, Hard Wood Trees, Juniper, Magnolia Trees, Pines, Oaks, Palms, Photinia, Pieris, Red Woods and Shrubs.

CONIFERS AND TREES IN COMMERCIAL NURSERIES, PLANTATIONS AND FORESTS, LANDSCAPES AND PARKS (INCLUDING CHRISTMAS TREES, OAKS and PINES)

K-PHITE 7LP applied in conjunction with good cultural management practices will control Phytophthora root rot of conifers including (but not limited to): Douglas Fir, spruce and pines also other Phytophthora disease of Oaks (Sudden Oak Death) and forest trees. Use the higher rates when disease pressure is severe. Do not apply to conifers that are under heat or moisture stress.

Disease	Application Method	Rate	Application Program
Bacterial Blight (<i>Xanthomonas campestris</i>) Fire Blight (<i>Erwinia amylovora</i>) Fusarium Phytophthora Pythium Rhizoctonia Sudden Oak Death	Trunk or Bark Injection	3 teaspoons/linear yard of canopy width or 2 inches of trunk diameter at breast height (DBH) (15 milliliters/linear meter of canopy width or 5 centimeters DBH). Inject directly into tree.	Apply according to injection equipment instructions. Adjust rate based on injection equipment suggestions for specific applications.

STORAGE AND DISPOSAL

PESTICIDE STORAGE: Do not contaminate water, food, or feed by storage or disposal. Store in a cool, dry place.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on-site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Do not reuse empty container. Triple rinse (or equivalent) and offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, keep out of smoke.

NOTICE TO BUYER

To the extent permitted by law, all conditions and warranties, and statutory or other rights of action which buyer or any other user may have against Plant Food Systems Inc. or seller are hereby excluded. Plant Food Systems Inc. hereby gives notice to buyer and other users that it will not accept responsibility for any indirect or consequential loss arising from reliance on product information provided by Plant Food Systems Inc. or on its behalf unless it is established that such information or advice was provided negligently and that the product has been used strictly as directed. Plant Food Systems Inc.'s liability shall in all circumstances be limited to replacement of the product or a refund of the purchase price thereof.

**SUBLABEL C – HOUSEHOLD PRODUCTS: FOR NON-COMMERCIAL APPLICATORS
(NOT SUBJECT TO WORKER PROTECTION STANDARD)**

Primary Brand Name: K-PHITE 7LP FUNGICIDE

Alternate Brand Name: K-PHITE® 7LP SYSTEMIC FUNGICIDE BACTERICIDE

A systemic fungicide bactericide for the control of downy mildew, phytophthora (such as Sudden Oak Death, Root Rot, Brown Rot), pythium (Damping-off, Summer Stress), and various other diseases in garden plants, ornamental trees and plants, Phytophthora in conifers, pines and oaks, and Pythium in turf.

ACTIVE INGREDIENTS:

Mono- and dipotassium salts of Phosphorous Acid*	56%
OTHER INGREDIENTS:.....	44%
TOTAL.....	100%

* Contains 7.03 lbs./gallon of active ingredients, mono-and dipotassium salts of Phosphorus Acid (Mono and dipotassium poly phosphite). Equivalent to 4.41 lbs. Phosphorus Acid/gallon.

* K-PHITE 7LP's unique manufacturing process and molecule are protected by the following patents:

Reactor: 4724132

Molecule: 7877616, 8221516, 8088191

KEEP OUT OF REACH OF CHILDREN

CAUTION

See Inside booklet for First Aid and Additional Precautionary Statements.

NET CONTENTS

- 2 1/2 gallons (9.463 liters)
- 30 gallons (113.6 liters)
- 55 gallons (208.2 liters)

- Bulk Containers (100 – 4000 gallons)
- Other _____

MANUFACTURED BY:
PLANT FOOD SYSTEMS, INC
2827 Union St. P.O. Box 775
Zellwood, FL 32798

EPA Reg. No. 73806-1
EPA Est. No. 73806-FL-001

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling.

FIRST AID STATEMENTS	
If in eyes	<ul style="list-style-type: none">• Hold eye open and rinse slowly and gently with water for 15-20 minutes.• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.• Call a poison control center or doctor for treatment advice.
HOT LINE NUMBER	
Have the container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact the National Pesticide Information Center (NPIC) at 1-800-858-7378 for emergency medical treatment information.	

ENVIRONMENTAL HAZARDS

To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help ensure that the wind or rain does not blow or wash pesticide off the treated area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Read entire label before using this product.

- 1 pint (0.473 liters) makes 24 gallons of solution at maximum treatment rate.
- 1 quart (0.946 liters) makes 48 gallons of solution at maximum treatment rate.
- 1 gallon (3.785 liters) makes 192 gallons of solution at maximum treatment rate.
- 2 1/2 gallons (9.463 liters) makes 480 gallons of solution at maximum treatment rate.
- 5 gallons (18.925 liters) makes 960 gallons of solution at maximum treatment rate.

GENERAL APPLICATION INSTRUCTIONS

Apply K-PHITE 7LP by various application methods, including foliar sprays, trunk injection, soil drench, soil incorporation, and bare root dip. For foliar sprays, apply K-PHITE 7LP with sufficient water for adequate coverage of foliage, according to crop and growth stage. To insure good coverage, spray to wet.

COMPATIBILITY

Mixing K-PHITE 7LP with certain surfactants, foliar fertilizers or other pesticides may cause crop injury. K-PHITE 7LP is a slightly acidic buffer solution. Avoid mixing K-PHITE 7LP with strongly acidic or alkaline materials. Do not tank mix without first testing the mixture's compatibility nor apply it without assessing its safety to the crop (phytotoxicity). It is not possible to test all material combinations and environmental tank mix combinations. Always conduct a test with the intended tank mix on a small area prior to any large-scale applications. To determine if a combination is phytotoxic to a specific crop, spray a small area of foliage and fruit, and then evaluate 3-7 days later for visual symptoms.

Test the compatibility of spray adjuvants (i.e. stickers, spreaders, wetting agents) with K-PHITE 7LP before use. Do not use acidifying type compatibility agents.

To determine the compatibility of K-PHITE 7LP with other products, use a jar compatibility test. Add the correct proportions of each product and the appropriate quantity of water to clean container, thoroughly mix, then let stand for 3-5 minutes. If the mixture remains in solution or can be remixed readily, the products are considered compatible.

MIXING INSTRUCTIONS

1. Fill the spray tank with 1/2 of the required volume of water.
2. Add K-PHITE 7LP slowly to the tank and agitate by hydraulic or mechanical means.
3. Continue to fill the tank with water to the desired volume while agitating.
4. Continue agitation when applying.

INSTRUCTIONS FOR APPLICATIONS
GARDEN CROPS, ORNAMENTALS, BEDDING PLANTS AND TREES (CONIFERS, OAKS, ETC.) & TURF

K-PHITE 7LP fungicide is used for control of Pythium, Downy Mildew, Phytophthora (such as Sudden Oak Death, *Phytophthora ramorum*) and various other diseases (see list below) of ORNAMENTAL PLANTS AND TREES. Plants, which can be treated with K-PHITE 7LP, include:

GARDEN CROPS

K-PHITE 7LP fungicide is used for control of Downy Mildew, Powdery Mildew, Pythium, Phytophthora and various other diseases (such as purple blotch, late blight, blue mold, soft rot, root rot, brown rot, foot rot, crown/collar rot, canker, fruit/foiar rot, fire blight, heart rot, pink rot, pythium leak, red stele, leather rot, etc.) of garden crops. Apply K-PHITE 7LP to plants including (but not limited to): Almond, Apple, Apricot, Artichoke, Asparagus, Avocado, Baby Lettuce, Banana, Beet, Blackberry, Blueberry, Broadbean, Cane Berries, Carrot, Cherry, Chestnut, Chilies, Cinchona, Cinnamon, Citrus, Cole Crops, Corn, Cranberry, Crucifers, Cucurbits, Dates, Dry Beans, Eggplant, Fresh beans, Garlic, Grapes, Kiwi, Lettuce, Lima Beans, Macadamia, Melons, Mint, Nectarine, Nut Crops, Nutmeg, Okra, Olive, Onion, Papaya, Peach, Peanut, Pear, Peas, Peppers, Pineapple, Plum, Pome Fruit, Potato, Prune, Raspberry, Rhubarb, Root crops, Rosemary, Spinach, Squash, Strawberry, String Beans, Stone Fruit, Sugarbeet, Sunflower, Tomato, Walnut.

BEDDING PLANTS, TREES & ORNAMENTALS

Ageratum, Algerian Ivy, Aglaonema, Alyssum, Anthurium, Aphelandra, Arborvitae, Artemisia, Ash, Aster, Azaleas, Baby's Breath, Begonia, Bougainvillea, Boxwood, Caladium, Carnation, *Cattleya skinneri*, Ceanothus, Chrysanthemum, Coleus, Columbine, Cotoneaster, Cissus, Daisy, Delphinium, Dieffenbachia, Dogwood, Easter Lily, English Ivy, Ficus, Firs, Foxglove, Gaillardia, Geranium, Gloxinia, Hibiscus, Impatiens, Japanese Holly, Juniper, Leather-leaf Fern, Magnolia, Maple, Marigold, Monterey Pine, Oaks, Pansy, Petunia, Peperomia, Philodendron, Phlox, Photinia, Pines, Pinks, Pittosporum, Pieris, Poinsettia, Pothos, Primrose, Prostrate Rosemary, Rhododendron, Roses, Salvia, Schefflera, Sedum, Sempervivum, Snapdragon, Spathiphyllum, Taxus media, Spruces, Sycamore, Verbena, Vinca, White Cedar, White Pine, Zinnia, Zygocactus, etc.

Make applications prior to disease development in conjunction with good cultural management practices. Use the higher rate when disease pressure is severe. Do not exceed the use rates or apply more frequently than the specified interval or plant injury can occur. Do not apply to plants that are dormant or heat or moisture stressed. Allow foliage to completely dry after application. Do not apply when conditions favor wet tissue for prolonged periods (>4 hours).

DISEASE	APPLICATION METHOD	RATE	APPLICATION GUIDELINES
Anthracnose Fire Blight (<i>Erwinia amylovora</i>) Fusarium Phytophthora Pythium Rhizoctonia	Foliar Spray	1/3 fluid ounce to 2/3 fluid ounce/gallon of water (2.5 – 5 milliliters/liter of water)	Apply diluted solution to thoroughly wet foliage. Apply at 2-3 week intervals and repeat as needed. Do not apply K-PHITE 7LP at intervals less than 3 days.
	Soil Drench	3-6 fluid ounce/25 gallons of water or 1/8 to 1/4 fluid ounce per gallon of water. (1-2) liters/1000 liters of water).	Apply 1-2 pts. Of diluted solution per sq. foot. Adjust volume as needed to thoroughly wet media. Apply at 2-3 week intervals and repeat as needed. Do not apply K-PHITE 7LP at intervals less than 3 days.
	Soil Incorporation	1/2- 1 pt./1/2 cubic yard (150-300 milliliters/1/2 cubic meter).	Mix to 1/2 – 1 pt. of K-PHITE 7LP with enough water to wet one cubic yard of soil; mix immediately before potting. If conditions are favorable for disease development, make additional applications as a foliar spray or soil drench.
	Root Dip	2/3 fluid ounce/gallon of water (5 milliliters/liter of water)	Dip transplants into diluted solution of K-PHITE 7LP to thoroughly wet plant root mass immediately before transplanting. Keep roots submerged for 1-2 minutes.
Downy Mildew Powdery Mildew	Foliar Spray	1/3 fluid ounce to 2/3 fluid ounce/gallon of water (2.5-5 milliliters/liter of water)	Apply diluted solution to thoroughly wet foliage. Apply at 2-3 week intervals and repeat as needed. Do not apply K-PHITE 7LP at intervals less than 3 days.

TURF

K-PHITE 7LP is a systemic Fungicide/Bactericide, which is used for the control of Pythium blight, Summer Complex (Bermuda and others), Dollar Spot, Grey Leaf Spot, Brown Patch, Anthracnose and damping-off diseases to turf grasses on sod farms and commercial turf production. Use higher rates under severe disease conditions.

APPLICATION GUIDELINES:

Apply amount in minimum of 2 gallons of water per 1,000 sq. ft.

Apply at 7-28 day intervals as needed. Do not mow or irrigate treated areas until sprays have completely dried.

For sod farms and large areas: Apply diluted solution to thoroughly wet foliage. Apply at 7-14 day intervals and repeat as needed.

Do not apply K-PHITE 7LP at intervals less than 3 days.

DISEASE	APPLICATION METHOD	RATE/APPLICATION
Acidovorax Alternaria Anthracnose (<i>Colletotrichum graminicola</i>) Cercospora Helminthosporium Phytophthora Pythium (Yellow Turf) Rhizoctonia Sclerotinia Xanthomonas	Foliar Spray	3-6 fluid ounces/1000 square feet. (Fairways: 2-6 fluid ounces/1000 square feet.) Or 3-6 quarts/100 gallons of water/acre.
	Irrigation	Overhead: 2-4 quarts/acre in at least 100 gallons of water.

*Do not graze animals on treated turf. Do not feed clippings from treated turf to livestock and poultry.

STORAGE AND DISPOSAL

PESTICIDE STORAGE: Do not contaminate water, food, or feed by storage or disposal. Store in a cool, dry place.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on-site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Do not reuse empty container. Triple rinse (or equivalent) and offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, keep out of smoke.

NOTICE TO BUYER

To the extent permitted by law, all conditions and warranties, and statutory or other rights of action which buyer or any other user may have against Plant Food Systems Inc. or seller are hereby excluded. Plant Food Systems Inc. hereby gives notice to buyer and other users that it will not accept responsibility for any indirect or consequential loss arising from reliance on product information provided by Plant Food Systems Inc. or on its behalf unless it is established that such information or advice was provided negligently and that the product has been used strictly as directed. Plant Food Systems Inc.'s liability shall in all circumstances be limited to replacement of the product or a refund of the purchase price thereof.